

## Recombinant human TGFBR2 protein, C-mFc-Avi (HEK293)

Catalog Number: bs-47206P

Concentration: >0.5 mg/ml

AA Seq: 24-159/567

Predicted MW: 44

Detected MW: Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.

Tags: C-mFc-Avi

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC

Purification: AC

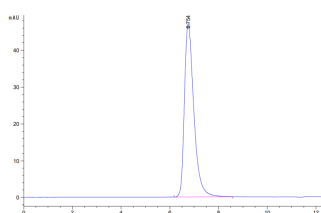
Form: Lyophilized

Storage: Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

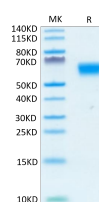
Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** This gene encodes a member of the Ser/Thr protein kinase family and the TGFβ receptor subfamily. The encoded protein is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein, and binds TGF-β. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation. Mutations in this gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different isoforms have been characterized.

### VALIDATION IMAGES



The purity of Recombinant human TGF-β RII / TGFBR2 Protein is greater than 95% as determined by SEC-HPLC.



Recombinant human TGF-β RII / TGFBR2 Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.